

Clariant Corporation

500 Washington Street
Coventry, RI 02816
401-823-2000

October 28, 2003

Ms. Kimberly Tisa
PCB Coordinator
Environmental Protection Agency
1 Congress Street
Suite 1100 (CPT)
Boston, MA 02114-2023

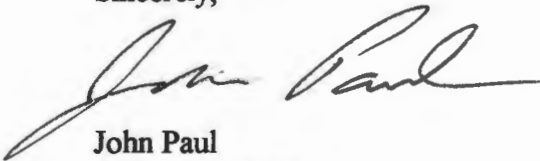
Permit Number: RI0000132

Dear Ms. Tisa:

Enclosed are copies of the laboratory reports from ALTA Analytical Laboratory Inc.

If you have any questions, please contact me at 401-823-2818.

Sincerely,



John Paul
ESHA Manager
Clariant Corporation

CC: Erin Russell, Clariant Corporation
Mike Teague, Clariant Corporation

Attachment



October 23, 2003

Alta Project I.D.: 24292

Mr. David Brunetti
Clariant Corporation
500 Washington St.
Coventry, RI 02816

Dear Mr. Brunetti,

Enclosed are the results for the three solid samples received at Alta Analytical Laboratory on October 17, 2003 under your Project Name "LOO-SSDN48". These samples were extracted and analyzed using EPA Method 1668 for 209 PCB congeners and homologue totals. A rush turnaround time was provided for this work.

The PCB results flagged with an asterisk were taken from the analysis of a dilution of the extract. The reporting limits for congeners qualified with an "I" were raised due to chemical interferences.

The following report consists of a Sample Inventory (Section I), Analytical Results (Section II) and the Appendix, which contains the chain-of-custody, a list of data qualifiers and abbreviations, Alta's current certifications, and copies of the raw data (if requested).

Alta Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-933-1640 or by email at mmaier@altalab.com. Thank you for choosing Alta as part of your analytical support team.

Sincerely,

Martha M. Maier
Director of HRMS Services



Alta Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. This report should not be reproduced except in full without the written approval of ALTA.



Section I: Sample Inventory Report**Date Received: 10/17/2003****Alta Lab. ID****Client Sample ID**

24292-001

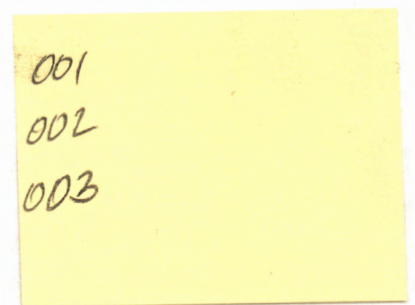
62253701

24292-002

USEA000373

24292-003

62254106



SECTION II



Method Blank				EPA Method 1668			
Matrix: Solid		QC Batch No.: 5267		Lab Sample: 0-MB001			
Sample Size: 1 g		Date Extracted: 17-Oct-03		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)) : 0	
Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.0250		PCB-41/64/71/72	ND	0.0500	
PCB-2	ND	0.0250		PCB-42/59	ND	0.0500	
PCB-3	ND	0.0250		PCB-43/49	ND	0.0500	
PCB-4/10	ND	0.0500		PCB-44	0.647	0.0500	
PCB-5/8	ND	0.0500		PCB-45	ND	0.0500	
PCB-6	ND	0.0500		PCB-46	ND	0.0500	
PCB-7/9	ND	0.0500		PCB-47	ND	0.0500	
PCB-11	0.0974	0.0500		PCB-48/75	ND	0.0500	
PCB-12/13	ND	0.0500		PCB-50	ND	0.0500	
PCB-14	ND	0.0500		PCB-51	ND	0.0500	
PCB-15	ND	0.0500		PCB-52/69	ND	0.0500	
PCB-16/32	ND	0.0250		PCB-53	ND	0.0500	
PCB-17	ND	0.0250		PCB-54	ND	0.0500	
PCB-18	ND	0.0250		PCB-55	ND	0.0500	
PCB-19	ND	0.0250		PCB-56/60	ND	0.0500	
PCB-20/21/33	ND	0.0250		PCB-57	ND	0.0500	
PCB-22	ND	0.0250		PCB-58	ND	0.0500	
PCB-23	ND	0.0250		PCB-61	ND	0.0500	
PCB-24/27	ND	0.0250		PCB-62	ND	0.0500	
PCB-25	ND	0.0250		PCB-63	ND	0.0500	
PCB-26	ND	0.0250		PCB-65	ND	0.0500	
PCB-28	ND	0.0250		PCB-66	ND	0.0500	
PCB-29	ND	0.0250		PCB-67	ND	0.0500	
PCB-30	ND	0.0250		PCB-68	ND	0.0500	
PCB-31	ND	0.0250		PCB-70	0.601	0.0500	
PCB-34	ND	0.0250		PCB-73	ND	0.0500	
PCB-35	ND	0.0250		PCB-74	ND	0.0500	
PCB-36	ND	0.0250		PCB-76	ND	0.0500	
PCB-37	ND	0.0250		PCB-77	ND	0.0500	
PCB-38	ND	0.0250		PCB-78	ND	0.0500	
PCB-39	ND	0.0250		PCB-79	ND	0.0500	
PCB-40	ND	0.0500		PCB-80	ND	0.0500	

Method Blank				EPA Method 1668			
Matrix:	Solid	QC Batch No.:	5267	Lab Sample:	0-MB001		
Sample Size:	1 g	Date Extracted:	17-Oct-03	Date Analyzed DB-1:	19-Oct-03	TEQ(WHO-Mammal (1997)) : 0	
Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.0500		PCB-124	ND	0.0500	
PCB-82	ND	0.0500		PCB-126	ND	0.0500	
PCB-83	ND	0.0500		PCB-127	ND	0.0500	
PCB-84/92	ND	0.0500		PCB-128/162	ND	0.0500	
PCB-85/116	ND	0.0500		PCB-129	ND	0.0500	
PCB-86	ND	0.0500		PCB-130	ND	0.0500	
PCB-87/117/125	ND	0.0500		PCB-131	ND	0.0500	
PCB-88/91	ND	0.0500		PCB-132/161	ND	0.0500	
PCB-89	ND	0.0500		PCB-133/142	ND	0.0500	
PCB-90/101	ND	0.0500		PCB-134/143	ND	0.0500	
PCB-93	ND	0.0500		PCB-135	ND	0.0500	
PCB-94	ND	0.0500		PCB-136	ND	0.0500	
PCB-95/98/102	ND	0.0500		PCB-137	ND	0.0500	
PCB-96	ND	0.0500		PCB-138/163/164	ND	0.0500	
PCB-97	ND	0.0500		PCB-139/149	ND	0.0500	
PCB-99	ND	0.0500		PCB-140	ND	0.0500	
PCB-100	ND	0.0500		PCB-141	ND	0.0500	
PCB-103	ND	0.0500		PCB-144	ND	0.0500	
PCB-104	ND	0.0500		PCB-145	ND	0.0500	
PCB-105	ND	0.0500		PCB-146/165	ND	0.0500	
PCB-106/118	ND	0.0500		PCB-147	ND	0.0500	
PCB-107/109	ND	0.0500		PCB-148	ND	0.0500	
PCB-108/112	ND	0.0500		PCB-150	ND	0.0500	
PCB-110	ND	0.0500		PCB-151	ND	0.0500	
PCB-111/115	ND	0.0500		PCB-152	ND	0.0500	
PCB-113	ND	0.0500		PCB-153	ND	0.0500	
PCB-114	ND	0.0500		PCB-154	ND	0.0500	
PCB-119	ND	0.0500		PCB-155	ND	0.0500	
PCB-120	ND	0.0500		PCB-156	ND	0.0500	
PCB-121	ND	0.0500		PCB-157	ND	0.0500	
PCB-122	ND	0.0500		PCB-158/160	ND	0.0500	
PCB-123	ND	0.0500		PCB-159	ND	0.0500	

Method Blank				EPA Method 1668			
Matrix:	Solid	QC Batch No.:	5267	Lab Sample:	0-MB001		
Sample Size:	1 g	Date Extracted:	17-Oct-03	Date Analyzed DB-1:	19-Oct-03	TEQ(WHO-Mammal (1997)) : 0	
Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.0500		PCB-199	ND	0.0750	
PCB-167	ND	0.0500		PCB-200	ND	0.0750	
PCB-168	ND	0.0500		PCB-201	ND	0.0750	
PCB-169	ND	0.0500		PCB-202	ND	0.0750	
PCB-170	ND	0.0500		PCB-204	ND	0.0750	
PCB-171	ND	0.0500		PCB-205	ND	0.0750	
PCB-172	ND	0.0500		PCB-206	ND	0.0750	
PCB-173	ND	0.0500		PCB-207	ND	0.0750	
PCB-174	ND	0.0500		PCB-208	ND	0.0750	
PCB-175	ND	0.0500		PCB-209	ND	0.0750	
PCB-176	ND	0.0500		Total monoCB	ND	0.0250	
PCB-177	ND	0.0500		Total diCB	0.0974	0.0500	
PCB-178	ND	0.0500		Total triCB	ND	0.0250	
PCB-179	ND	0.0500		Total tetraCB	1.25	0.0500	
PCB-180	ND	0.0500		Total pentaCB	ND	0.0500	
PCB-181	ND	0.0500		Total hexaCB	ND	0.0500	
PCB-182/187	ND	0.0500		Total heptaCB	ND	0.0500	
PCB-183	ND	0.0500		Total octaCB	ND	0.0750	
PCB-184	ND	0.0500		Total nonaCB	ND	0.0750	
PCB-185	ND	0.0500		Total decaCB	ND	0.0750	
PCB-186	ND	0.0500					
PCB-188	ND	0.0500					
PCB-189	ND	0.0500					
PCB-190	ND	0.0500					
PCB-191	ND	0.0500					
PCB-192	ND	0.0500					
PCB-193	ND	0.0500					
PCB-194	ND	0.0750					
PCB-195	ND	0.0750					
PCB-196/203	ND	0.0750					
PCB-197	ND	0.0750					
PCB-198	ND	0.0750					

Method Blank				EPA Method 1668	
Matrix: Solid		QC Batch No.: 5267		Lab Sample: 0-MB001	
Sample Size: 1 g		Date Extracted: 17-Oct-03		Date Analyzed DB-1: 19-Oct-03	
Internal Standard		% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-1	55.0	25	150	
	13C-PCB-3	56.6	25	150	
	13C-PCB-4	66.1	25	150	
	13C-PCB-9	72.3	25	150	
	13C-PCB-19	68.9	25	150	
	13C-PCB-28	74.0	25	150	
	13C-PCB-32	73.7	25	150	
	13C-PCB-37	81.3	25	150	
	13C-PCB-54	76.5	25	150	
	13C-PCB-77	84.7	25	150	
	13C-PCB-81	84.8	25	150	
	13C-PCB-95	87.3	25	150	
	13C-PCB-101	88.6	25	150	
	13C-PCB-104	90.1	25	150	
	13C-PCB-105	90.7	25	150	
	13C-PCB-114	95.8	25	150	
	13C-PCB-118	87.3	25	150	
	13C-PCB-123	92.3	25	150	
	13C-PCB-126	97.5	25	150	
	13C-PCB-153	91.4	25	150	
	13C-PCB-155	54.0	25	150	
	13C-PCB-156	88.7	25	150	
	13C-PCB-157	88.0	25	150	
	13C-PCB-167	91.6	25	150	
	13C-PCB-169	90.3	25	150	
	13C-PCB-170	77.4	25	150	
	13C-PCB-180	78.6	25	150	
	13C-PCB-188	79.1	25	150	
	13C-PCB-189	89.7	25	150	
	13C-PCB-194	81.6	25	150	

Method Blank				EPA Method 1668	
Matrix: Solid		QC Batch No.: 5267		Lab Sample: 0-MB001	
Sample Size: 1 g		Date Extracted: 17-Oct-03		Date Analyzed DB-1: 19-Oct-03	
Internal Standard		% Recovery	LCL - UCL		Qualifier
IS	13C-PCB-202	54.1	25	150	
	13C-PCB-208	69.4	25	150	
	13C-PCB-206	76.0	25	150	
	13C-PCB-209	68.7	25	150	
CRS	13C-PCB-52	87.9	30	135	
	13C-PCB-178	83.4	30	135	

OPR Results				EPA Method 1668			
Matrix:	Solid	QC Batch No.:	5267	Lab Sample:	0-OPR001		
Sample Size:	1 g	Date Extracted:	17-Oct-03	Date Analyzed DB-1:	19-Oct-03		
Analyte	Spike Conc	Conc. (ng/mL)	OPR Limits	Internal Standard	%R	LCL-UCL	IS Qualifiers
PCB-1	50.0	46.6	25 - 75	IS 13C-PCB-1	86.7	25 - 150	
PCB-3	50.0	50.5	25 - 75	13C-PCB-3	80.8	25 - 150	
PCB-15	50.0	43.2	25 - 75	13C-PCB-4	89.5	25 - 150	
PCB-18	50.0	52.0	25 - 75	13C-PCB-9	92.1	25 - 150	
PCB-20/21/33	50.0	44.9	25 - 75	13C-PCB-19	89.3	25 - 150	
PCB-22	50.0	46.1	25 - 75	13C-PCB-28	98.4	25 - 150	
PCB-28	50.0	44.5	25 - 75	13C-PCB-32	94.5	25 - 150	
PCB-31	50.0	43.7	25 - 75	13C-PCB-37	94.7	25 - 150	
PCB-37	50.0	46.0	25 - 75	13C-PCB-54	92.0	25 - 150	
PCB-41/64/71/72	50.0	53.9	25 - 75	13C-PCB-77	89.8	25 - 150	
PCB-42/59	50.0	38.7	25 - 75	13C-PCB-81	92.4	25 - 150	
PCB-43/49	50.0	52.3	25 - 75	13C-PCB-95	95.1	25 - 150	
PCB-44	50.0	55.7	25 - 75	13C-PCB-101	96.5	25 - 150	
PCB-47	50.0	52.7	25 - 75	13C-PCB-104	103	25 - 150	
PCB-52/69	50.0	43.1	25 - 75	13C-PCB-105	100	25 - 150	
PCB-56/60	50.0	47.1	25 - 75	13C-PCB-114	102	25 - 150	
PCB-66	50.0	40.5	25 - 75	13C-PCB-118	90.9	25 - 150	
PCB-70	50.0	52.3	25 - 75	13C-PCB-123	93.6	25 - 150	
PCB-74	50.0	44.4	25 - 75	13C-PCB-126	100	25 - 150	
PCB-77	50.0	44.8	25 - 75	13C-PCB-153	96.5	25 - 150	
PCB-80	50.0	42.5	25 - 75	13C-PCB-155	57.9	25 - 150	
PCB-81	50.0	44.4	25 - 75	13C-PCB-156	92.7	25 - 150	
PCB-82	50.0	58.1	25 - 75	13C-PCB-157	90.9	25 - 150	
PCB-84/92	100	102	50 - 150	13C-PCB-167	94.7	25 - 150	
PCB-86	50.0	47.6	25 - 75	13C-PCB-169	94.0	25 - 150	
PCB-87/117/125	50.0	40.0	25 - 75	13C-PCB-170	79.2	25 - 150	
PCB-88/91	50.0	56.3	25 - 75	13C-PCB-180	82.3	25 - 150	
PCB-90/101	100	101	50 - 150	13C-PCB-188	84.9	25 - 150	
PCB-95/98/102	50.0	65.0	25 - 75	13C-PCB-189	86.3	25 - 150	
PCB-97	50.0	50.4	25 - 75	13C-PCB-194	89.8	25 - 150	
PCB-99	50.0	50.2	25 - 75	13C-PCB-202	55.4	25 - 150	
PCB-105	50.0	47.6	25 - 75	13C-PCB-208	76.8	25 - 150	
PCB-106/118	50.0	56.0	25 - 75	13C-PCB-206	83.2	25 - 150	
PCB-110	50.0	46.4	25 - 75	13C-PCB-209	77.2	25 - 150	
PCB-111/115	50.0	47.8	25 - 75				
PCB-114	50.0	46.0	25 - 75				
PCB-119	50.0	54.5	25 - 75				
PCB-120	50.0	43.6	25 - 75				

OPR Results				EPA Method 1668	
Matrix:	Solid	QC Batch No.:	5267	Lab Sample:	0-OPR001
Sample Size:	1 g	Date Extracted:	17-Oct-03	Date Analyzed DB-1:	19-Oct-03
Analyte	Spike Conc	Conc. (ng/mL)	OPR Limits		
PCB-123	50.0	50.7	25 - 75		
PCB-126	50.0	47.0	25 - 75		
PCB-127	50.0	47.8	25 - 75		
PCB-128/162	50.0	38.4	25 - 75		
PCB-132/161	50.0	34.3	25 - 75		
PCB-135	50.0	59.4	25 - 75		
PCB-136	50.0	56.4	25 - 75		
PCB-137	50.0	48.8	25 - 75		
PCB-138/163/164	50.0	38.6	25 - 75		
PCB-139/149	50.0	58.8	25 - 75		
PCB-141	50.0	44.8	25 - 75		
PCB-146/165	50.0	41.4	25 - 75		
PCB-151	50.0	58.4	25 - 75		
PCB-153	50.0	48.3	25 - 75		
PCB-156	50.0	47.8	25 - 75		
PCB-157	50.0	48.1	25 - 75		
PCB-158/160	50.0	48.3	25 - 75		
PCB-166	50.0	47.4	25 - 75		
PCB-167	50.0	49.2	25 - 75		
PCB-168	50.0	48.7	25 - 75		
PCB-169	50.0	46.8	25 - 75		
PCB-170	50.0	50.8	25 - 75		
PCB-171	50.0	46.2	25 - 75		
PCB-174	50.0	47.8	25 - 75		
PCB-177	50.0	44.3	25 - 75		
PCB-178	50.0	46.7	25 - 75		
PCB-179	50.0	45.7	25 - 75		
PCB-180	125	125	62.5 - 187.5		
PCB-182/187	50.0	44.3	25 - 75		
PCB-183	50.0	54.3	25 - 75		
PCB-184	50.0	48.6	25 - 75		
PCB-185	50.0	51.0	25 - 75		
PCB-189	50.0	47.9	25 - 75		
PCB-190	50.0	49.0	25 - 75		
PCB-191	50.0	47.3	25 - 75		
PCB-194	50.0	46.8	25 - 75		
PCB-195	50.0	46.3	25 - 75		
PCB-196/203	100	97.7	50 - 150		

Chemist: RAS

Page 2 of 3

Approved by: William J. Luksemburg 22-Oct-2003 15:42

OPR Results				EPA Method 1668	
Matrix:	Solid	QC Batch No.:	5267	Lab Sample:	0-OPR001
Sample Size:	1 g	Date Extracted:	17-Oct-03	Date Analyzed DB-1:	19-Oct-03
Analyte	Spike Conc	Conc. (ng/mL)	OPR Limits		
PCB-198	50.0	50.8	25 - 75		
PCB-199	50.0	49.5	25 - 75		
PCB-201	50.0	56.0	25 - 75		
PCB-202	50.0	54.4	25 - 75		
PCB-205	50.0	51.3	25 - 75		
PCB-206	50.0	54.1	25 - 75		
PCB-207	50.0	57.1	25 - 75		
PCB-208	50.0	50.3	25 - 75		
PCB-209	50.0	46.8	25 - 75		

Sample ID: 62253701				EPA Method 1668				
Client Data			Sample Data		Laboratory Data			
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-001		Date Received: 17-Oct-03	
Project: LOO-5SDN48			Sample Size: 1.08 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03	
Date Collected: 16-Oct-03			%Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0176	
Time Collected: NA								
Analyte	Conc. (ng/g)	RL	Qualifiers		Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	1.16			PCB-41/64/71/72	15.2	2.31	
PCB-2	2.50	1.16			PCB-42/59	250	2.31	
PCB-3	0.190	1.16	A		PCB-43/49	39.6	2.31	
PCB-4/10	ND	2.31			PCB-44	101000	4.62	*
PCB-5/8	4.40	2.31			PCB-45	ND	2.31	
PCB-6	3.73	2.31			PCB-46	6.88	2.31	
PCB-7/9	3.21	2.31			PCB-47	ND	2.31	
PCB-11	3.35	2.31	B		PCB-48/75	ND	2.31	
PCB-12/13	2.52	2.31			PCB-50	ND	2.31	
PCB-14	ND	2.31			PCB-51	ND	2.31	
PCB-15	ND	2.31			PCB-52/69	1560	2.31	
PCB-16/32	11.3	1.16			PCB-53	16.0	2.31	
PCB-17	0.795	1.16	A		PCB-54	ND	2.31	
PCB-18	66.0	1.16			PCB-55	ND	2.31	
PCB-19	ND	1.16			PCB-56/60	293	2.31	
PCB-20/21/33	354	1.16			PCB-57	ND	2.31	
PCB-22	68.6	1.16			PCB-58	ND	2.31	
PCB-23	ND	1.16			PCB-61	ND	2.31	
PCB-24/27	ND	1.16			PCB-62	ND	2.31	
PCB-25	0.880	1.16	A		PCB-63	ND	2.31	
PCB-26	9.14	1.16			PCB-65	ND	2.31	
PCB-28	ND	1.16			PCB-66	226	2.31	
PCB-29	ND	1.16			PCB-67	ND	2.31	
PCB-30	ND	1.16			PCB-68	ND	2.31	
PCB-31	157	1.16			PCB-70	61900	4.62	*
PCB-34	ND	1.16			PCB-73	ND	2.31	
PCB-35	167	1.16			PCB-74	ND	2.31	
PCB-36	ND	1.16			PCB-76	ND	2.31	
PCB-37	51.6	1.16			PCB-77	84.7	2.31	
PCB-38	ND	1.16			PCB-78	ND	2.31	
PCB-39	ND	1.16			PCB-79	ND	2.31	
PCB-40	151	2.31			PCB-80	ND	2.31	

Sample ID: 62253701				EPA Method 1668			
Client Data			Sample Data		Laboratory Data		
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-001		Date Received: 17-Oct-03
Project: LOO-5SDN48			Sample Size: 1.08 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03
Date Collected: 16-Oct-03			TSolids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0176
Time Collected: NA							
Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	2.31		PCB-124	ND	4.46	I
PCB-82	0.419	2.31	A	PCB-126	ND	2.31	
PCB-83	ND	2.31		PCB-127	ND	2.31	
PCB-84/92	40.5	2.31		PCB-128/162	0.226	2.31	A
PCB-85/116	ND	2.31		PCB-129	ND	2.31	
PCB-86	ND	2.31		PCB-130	ND	2.31	
PCB-87/117/125	5.60	2.31		PCB-131	ND	2.31	
PCB-88/91	1.07	2.31	A	PCB-132/161	ND	2.31	
PCB-89	ND	2.31		PCB-133/142	20.6	2.31	
PCB-90/101	47.0	2.31		PCB-134/143	ND	2.31	
PCB-93	ND	2.31		PCB-135	ND	2.31	
PCB-94	ND	2.31		PCB-136	ND	2.31	
PCB-95/98/102	248	2.31		PCB-137	ND	2.31	
PCB-96	ND	2.31		PCB-138/163/164	ND	2.31	
PCB-97	126	2.31		PCB-139/149	0.337	2.31	A
PCB-99	ND	2.31		PCB-140	ND	2.31	
PCB-100	ND	2.31		PCB-141	0.855	2.31	A
PCB-103	ND	2.31		PCB-144	0.588	2.31	A
PCB-104	ND	2.31		PCB-145	ND	2.31	
PCB-105	0.314	2.31	A	PCB-146/165	ND	2.31	
PCB-106/118	90.0	2.31		PCB-147	ND	2.31	
PCB-107/109	0.225	2.31	A	PCB-148	ND	2.31	
PCB-108/112	ND	2.31		PCB-150	ND	2.31	
PCB-110	14.9	2.31		PCB-151	ND	2.31	
PCB-111/115	ND	2.31		PCB-152	ND	2.31	
PCB-113	ND	2.31		PCB-153	0.190	2.31	A
PCB-114	ND	2.31		PCB-154	ND	2.31	
PCB-119	ND	2.31		PCB-155	ND	2.31	
PCB-120	ND	2.31		PCB-156	0.170	2.31	A
PCB-121	ND	2.31		PCB-157	ND	2.31	
PCB-122	ND	2.31		PCB-158/160	15.0	2.31	
PCB-123	ND	2.31		PCB-159	ND	2.31	

Sample ID: 62253701				EPA Method 1668				
Client Data			Sample Data		Laboratory Data			
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-001		Date Received: 17-Oct-03	
Project: LOO-5SDN48			Sample Size: 1.08 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03	
Date Collected: 16-Oct-03			%Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0176	
Time Collected: NA								
Analyte	Conc. (ng/g)	RL	Qualifiers		Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	2.31			PCB-199	ND	3.47	
PCB-167	ND	2.31			PCB-200	ND	3.47	
PCB-168	ND	2.31			PCB-201	ND	3.47	
PCB-169	ND	2.31			PCB-202	ND	3.47	
PCB-170	ND	2.31			PCB-204	ND	3.47	
PCB-171	ND	2.31			PCB-205	ND	3.47	
PCB-172	ND	2.31			PCB-206	0.140	3.47	A
PCB-173	ND	2.31			PCB-207	ND	3.47	
PCB-174	ND	2.31			PCB-208	0.0717	3.47	A
PCB-175	ND	2.31			PCB-209	ND	3.47	
PCB-176	ND	2.31			Total monoCB	2.69	1.16	
PCB-177	ND	2.31			Total diCB	17.2	2.31	B
PCB-178	ND	2.31			Total triCB	745	1.16	
PCB-179	ND	2.31			Total tetraCB	166000	2.31	B,*
PCB-180	0.195	2.31	A		Total pentaCB	573	2.31	
PCB-181	ND	2.31			Total hexaCB	38.0	2.31	
PCB-182/187	ND	2.31			Total heptaCB	0.338	2.31	
PCB-183	ND	2.31			Total octaCB	ND	3.47	
PCB-184	ND	2.31			Total nonaCB	0.212	3.47	
PCB-185	ND	2.31			Total decaCB	ND	3.47	
PCB-186	ND	2.31						
PCB-188	ND	2.31						
PCB-189	0.143	2.31	A					
PCB-190	ND	2.31						
PCB-191	ND	2.31						
PCB-192	ND	2.31						
PCB-193	ND	2.31						
PCB-194	ND	3.47						
PCB-195	ND	3.47						
PCB-196/203	ND	3.47						
PCB-197	ND	3.47						
PCB-198	ND	3.47						

Sample ID: 62253701		EPA Method 1668	
Client Data		Sample Data	
Name: Clariant Corporation		Matrix: Solid	
Project: LOO-5SDN48		Sample Size: 1.08 g	
Date Collected: 16-Oct-03		%Solids: 100	
Time Collected: NA			
Laboratory Data			
Lab Sample: 24292-001		Date Received: 17-Oct-03	
QC Batch No.: 5267		Date Extracted: 17-Oct-03	
Date Analyzed DB-1: 19-Oct-03			

Internal Standard	% Recovery	LCL - UCL	Qualifier
IS 13C-PCB-1	78.1	25 150	
13C-PCB-3	75.1	25 150	
13C-PCB-4	81.4	25 150	
13C-PCB-9	86.8	25 150	
13C-PCB-19	82.0	25 150	
13C-PCB-28	90.9	25 150	
13C-PCB-32	87.3	25 150	
13C-PCB-37	91.4	25 150	
13C-PCB-54	76.5	25 150	
13C-PCB-77	87.5	25 150	
13C-PCB-81	89.7	25 150	
13C-PCB-95	95.1	25 150	
13C-PCB-101	87.0	25 150	
13C-PCB-104	88.0	25 150	
13C-PCB-105	96.7	25 150	
13C-PCB-114	94.2	25 150	
13C-PCB-118	97.0	25 150	
13C-PCB-123	96.6	25 150	
13C-PCB-126	98.9	25 150	
13C-PCB-153	93.1	25 150	
13C-PCB-155	55.3	25 150	
13C-PCB-156	95.8	25 150	
13C-PCB-157	97.8	25 150	
13C-PCB-167	95.1	25 150	
13C-PCB-169	109	25 150	
13C-PCB-170	91.6	25 150	
13C-PCB-180	93.1	25 150	
13C-PCB-188	76.7	25 150	
13C-PCB-189	95.9	25 150	
13C-PCB-194	84.8	25 150	

Sample ID: 62253701		EPA Method 1668	
<u>Client Data</u> Name: Clariant Corporation Project: LOO-5SDN48 Date Collected: 16-Oct-03 Time Collected: NA		<u>Sample Data</u> Matrix: Solid Sample Size: 1.08 g %Solids: 100	
<u>Laboratory Data</u> Lab Sample: 24292-001 QC Batch No.: 5267 Date Analyzed DB-1: 19-Oct-03		Date Received: 17-Oct-03 Date Extracted: 17-Oct-03	

Internal Standard	% Recovery	LCL - UCL	Qualifier
IS 13C-PCB-202	56.6	25 150	
13C-PCB-208	76.3	25 150	
13C-PCB-206	82.2	25 150	
13C-PCB-209	76.7	25 150	
CRS 13C-PCB-52	95.8	30 135	
13C-PCB-178	92.1	30 135	

Sample ID: USEA000373				EPA Method 1668			
Client Data			Sample Data		Laboratory Data		
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-002		Date Received: 17-Oct-03
Project: LOO-5SDN48			Sample Size: 0.96 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03
Date Collected: 16-Oct-03			%Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0481
Time Collected: NA							
Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	0.330	1.30	A	PCB-41/64/71/72	52.3	2.60	
PCB-2	16.8	1.30		PCB-42/59	917	2.60	
PCB-3	2.82	1.30		PCB-43/49	140	2.60	
PCB-4/10	ND	2.60		PCB-44	232000	5.20	*
PCB-5/8	6.23	2.60		PCB-45	ND	2.60	
PCB-6	15.1	2.60		PCB-46	32.5	2.60	
PCB-7/9	9.97	2.60		PCB-47	ND	2.60	
PCB-11	10.3	2.60	B	PCB-48/75	ND	2.60	
PCB-12/13	4.08	2.60		PCB-50	ND	2.60	
PCB-14	ND	2.60		PCB-51	ND	2.60	
PCB-15	ND	2.60		PCB-52/69	4990	2.60	
PCB-16/32	10.5	1.30		PCB-53	51.8	2.60	
PCB-17	2.05	1.30		PCB-54	ND	2.60	
PCB-18	178	1.30		PCB-55	ND	2.60	
PCB-19	ND	1.30		PCB-56/60	1260	2.60	
PCB-20/21/33	1320	1.30		PCB-57	ND	2.60	
PCB-22	177	1.30		PCB-58	ND	2.60	
PCB-23	ND	1.30		PCB-61	ND	2.60	
PCB-24/27	0.935	1.30	A	PCB-62	ND	2.60	
PCB-25	4.60	1.30		PCB-63	ND	2.60	
PCB-26	36.8	1.30		PCB-65	ND	2.60	
PCB-28	1.84	1.30		PCB-66	619	2.60	
PCB-29	ND	1.30		PCB-67	ND	2.60	
PCB-30	ND	1.30		PCB-68	ND	2.60	
PCB-31	62.1	1.30		PCB-70	119000	5.20	*
PCB-34	ND	1.30		PCB-73	ND	2.60	
PCB-35	486	1.30		PCB-74	ND	2.60	
PCB-36	ND	1.30		PCB-76	ND	2.60	
PCB-37	97.0	1.30		PCB-77	316	2.60	
PCB-38	ND	1.30		PCB-78	ND	2.60	
PCB-39	ND	1.30		PCB-79	ND	2.60	
PCB-40	562	2.60		PCB-80	ND	2.60	

Sample ID: USEA000373				EPA Method 1668			
Client Data		Sample Data		Laboratory Data			
Name: Clariant Corporation		Matrix: Solid		Lab Sample: 24292-002		Date Received: 17-Oct-03	
Project: LOO-5SDN48		Sample Size: 0.96 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03	
Date Collected: 16-Oct-03		%Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0481	
Time Collected: NA							
Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	2.60		PCB-124	ND	5.51	1
PCB-82	1.37	2.60	A	PCB-126	ND	2.60	
PCB-83	ND	2.60		PCB-127	ND	2.60	
PCB-84/92	147	2.60		PCB-128/162	ND	2.60	
PCB-85/116	ND	2.60		PCB-129	ND	2.60	
PCB-86	ND	2.60		PCB-130	ND	2.60	
PCB-87/117/125	16.2	2.60		PCB-131	ND	2.60	
PCB-88/91	3.03	2.60		PCB-132/161	ND	2.60	
PCB-89	ND	2.60		PCB-133/142	50.0	2.60	
PCB-90/101	170	2.60		PCB-134/143	ND	2.60	
PCB-93	ND	2.60		PCB-135	ND	2.60	
PCB-94	ND	2.60		PCB-136	ND	2.60	
PCB-95/98/102	538	2.60		PCB-137	ND	2.60	
PCB-96	ND	2.60		PCB-138/163/164	ND	2.60	
PCB-97	261	2.60		PCB-139/149	0.766	2.60	A
PCB-99	1.23	2.60	A	PCB-140	ND	2.60	
PCB-100	ND	2.60		PCB-141	1.39	2.60	A
PCB-103	ND	2.60		PCB-144	1.22	2.60	A
PCB-104	ND	2.60		PCB-145	ND	2.60	
PCB-105	1.13	2.60	A	PCB-146/165	ND	2.60	
PCB-106/118	164	2.60		PCB-147	ND	2.60	
PCB-107/109	0.849	2.60	A	PCB-148	ND	2.60	
PCB-108/112	0.452	2.60	A	PCB-150	ND	2.60	
PCB-110	37.8	2.60		PCB-151	3.35	2.60	
PCB-111/115	ND	2.60		PCB-152	ND	2.60	
PCB-113	ND	2.60		PCB-153	ND	2.60	
PCB-114	ND	2.60		PCB-154	ND	2.60	
PCB-119	0.804	2.60	A	PCB-155	ND	2.60	
PCB-120	ND	2.60		PCB-156	ND	2.60	
PCB-121	ND	2.60		PCB-157	ND	2.60	
PCB-122	ND	2.60		PCB-158/160	29.2	2.60	
PCB-123	ND	2.60		PCB-159	ND	2.60	

Sample ID: USEA000373				EPA Method 1668				
Client Data			Sample Data		Laboratory Data			
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-002		Date Received: 17-Oct-03	
Project: LOO-5SDN48			Sample Size: 0.96 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03	
Date Collected: 16-Oct-03			%Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0481	
Time Collected: NA								
Analyte	Conc. (ng/g)	RL	Qualifiers		Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	2.60			PCB-199	ND	3.91	
PCB-167	ND	2.60			PCB-200	ND	3.91	
PCB-168	ND	2.60			PCB-201	ND	3.91	
PCB-169	ND	2.60			PCB-202	ND	3.91	
PCB-170	ND	2.60			PCB-204	ND	3.91	
PCB-171	ND	2.60			PCB-205	ND	3.91	
PCB-172	ND	2.60			PCB-206	ND	3.91	
PCB-173	ND	2.60			PCB-207	ND	3.91	
PCB-174	ND	2.60			PCB-208	ND	3.91	
PCB-175	ND	2.60			PCB-209	ND	3.91	
PCB-176	ND	2.60			Total monoCB	20.0	1.30	
PCB-177	ND	2.60			Total diCB	45.7	2.60	B
PCB-178	ND	2.60			Total triCB	2380	1.30	
PCB-179	ND	2.60			Total tetraCB	360000	2.60	B,*
PCB-180	ND	2.60			Total pentaCB	1340	2.60	
PCB-181	ND	2.60			Total hexaCB	85.9	2.60	
PCB-182/187	ND	2.60			Total heptaCB	ND	2.60	
PCB-183	ND	2.60			Total octaCB	0.287	3.91	
PCB-184	ND	2.60			Total nonaCB	ND	3.91	
PCB-185	ND	2.60			Total decaCB	ND	3.91	
PCB-186	ND	2.60						
PCB-188	ND	2.60						
PCB-189	ND	2.60						
PCB-190	ND	2.60						
PCB-191	ND	2.60						
PCB-192	ND	2.60						
PCB-193	ND	2.60						
PCB-194	0.129	3.91	A					
PCB-195	0.158	3.91	A					
PCB-196/203	ND	3.91						
PCB-197	ND	3.91						
PCB-198	ND	3.91						

Sample ID: USEA000373		EPA Method 1668	
<u>Client Data</u> Name: Clariant Corporation Project: LOO-5SDN48 Date Collected: 16-Oct-03 Time Collected: NA		<u>Sample Data</u> Matrix: Solid Sample Size: 0.96 g %Solids: 100	
		<u>Laboratory Data</u> Lab Sample: 24292-002 Date Received: 17-Oct-03 QC Batch No.: 5267 Date Extracted: 17-Oct-03 Date Analyzed DB-1: 19-Oct-03	

	Internal Standard	% Recovery	LCL - UCL	Qualifier
IS	13C-PCB-1	64.2	25 150	
	13C-PCB-3	64.9	25 150	
	13C-PCB-4	73.3	25 150	
	13C-PCB-9	82.7	25 150	
	13C-PCB-19	76.1	25 150	
	13C-PCB-28	72.4	25 150	
	13C-PCB-32	77.9	25 150	
	13C-PCB-37	97.0	25 150	
	13C-PCB-54	75.3	25 150	
	13C-PCB-77	86.3	25 150	
	13C-PCB-81	83.1	25 150	
	13C-PCB-95	101	25 150	
	13C-PCB-101	93.0	25 150	
	13C-PCB-104	86.0	25 150	
	13C-PCB-105	91.8	25 150	
	13C-PCB-114	99.7	25 150	
	13C-PCB-118	93.8	25 150	
	13C-PCB-123	93.6	25 150	
	13C-PCB-126	93.2	25 150	
	13C-PCB-153	94.0	25 150	
13C-PCB-155	60.0	25 150		
13C-PCB-156	94.6	25 150		
13C-PCB-157	94.2	25 150		
13C-PCB-167	93.0	25 150		
13C-PCB-169	96.5	25 150		
13C-PCB-170	100	25 150		
13C-PCB-180	94.8	25 150		
13C-PCB-188	83.8	25 150		
13C-PCB-189	100	25 150		
13C-PCB-194	82.2	25 150		

Sample ID: USEA000373		EPA Method 1668	
<u>Client Data</u> Name: Clariant Corporation Project: LOO-5SDN48 Date Collected: 16-Oct-03 Time Collected: NA		<u>Sample Data</u> Matrix: Solid Sample Size: 0.96 g %Solids: 100	
<u>Laboratory Data</u> Lab Sample: 24292-002 QC Batch No.: 5267 Date Analyzed DB-1: 19-Oct-03		Date Received: 17-Oct-03 Date Extracted: 17-Oct-03	

Internal Standard	% Recovery	LCL - UCL	Qualifier
IS 13C-PCB-202	64.9	25 150	
13C-PCB-208	74.2	25 150	
13C-PCB-206	80.9	25 150	
13C-PCB-209	71.1	25 150	
CRS 13C-PCB-52	105	30 135	
13C-PCB-178	91.8	30 135	

Sample ID: 62254106				EPA Method 1668			
Client Data			Sample Data		Laboratory Data		
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-003		Date Received: 17-Oct-03
Project: LOO-5SDN48			Sample Size: 0.96 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03
Date Collected: 16-Oct-03			%Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0499
Time Collected: NA							
Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	0.517	1.30	A	PCB-41/64/71/72	55.4	2.60	
PCB-2	2.69	1.30		PCB-42/59	1050	2.60	
PCB-3	1.66	1.30		PCB-43/49	194	2.60	
PCB-4/10	ND	2.60		PCB-44	359000	5.20	*
PCB-5/8	14.7	2.60		PCB-45	ND	2.60	
PCB-6	23.0	2.60		PCB-46	33.3	2.60	
PCB-7/9	9.47	2.60		PCB-47	ND	2.60	
PCB-11	8.20	2.60	B	PCB-48/75	ND	2.60	
PCB-12/13	6.52	2.60		PCB-50	ND	2.60	
PCB-14	ND	2.60		PCB-51	ND	2.60	
PCB-15	ND	2.60		PCB-52/69	6960	2.60	
PCB-16/32	15.2	1.30		PCB-53	76.8	2.60	
PCB-17	2.96	1.30		PCB-54	ND	2.60	
PCB-18	298	1.30		PCB-55	ND	2.60	
PCB-19	ND	1.30		PCB-56/60	1440	2.60	
PCB-20/21/33	1630	1.30		PCB-57	ND	2.60	
PCB-22	263	1.30		PCB-58	ND	2.60	
PCB-23	ND	1.30		PCB-61	ND	2.60	
PCB-24/27	1.41	1.30		PCB-62	ND	2.60	
PCB-25	8.64	1.30		PCB-63	ND	2.60	
PCB-26	41.9	1.30		PCB-65	ND	2.60	
PCB-28	2.89	1.30		PCB-66	1150	2.60	
PCB-29	ND	1.30		PCB-67	ND	2.60	
PCB-30	ND	1.30		PCB-68	ND	2.60	
PCB-31	68.8	1.30		PCB-70	171000	5.20	*
PCB-34	ND	1.30		PCB-73	ND	2.60	
PCB-35	532	1.30		PCB-74	ND	2.60	
PCB-36	ND	1.30		PCB-76	ND	2.60	
PCB-37	142	1.30		PCB-77	313	2.60	
PCB-38	ND	1.30		PCB-78	ND	2.60	
PCB-39	ND	1.30		PCB-79	ND	2.60	
PCB-40	649	2.60		PCB-80	ND	2.60	

Sample ID: 62254106				EPA Method 1668				
Client Data			Sample Data		Laboratory Data			
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-003		Date Received: 17-Oct-03	
Project: LOO-5SDN48			Sample Size: 0.96 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03	
Date Collected: 16-Oct-03			%Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0499	
Time Collected: NA								
Analyte	Conc. (ng/g)	RL	Qualifiers		Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	2.60			PCB-124	ND	11.2	I
PCB-82	ND	2.60			PCB-126	ND	2.60	
PCB-83	ND	2.60			PCB-127	ND	2.60	
PCB-84/92	187	2.60			PCB-128/162	ND	2.60	
PCB-85/116	ND	2.60			PCB-129	ND	2.60	
PCB-86	ND	2.60			PCB-130	ND	2.60	
PCB-87/117/125	27.6	2.60			PCB-131	ND	2.60	
PCB-88/91	4.16	2.60			PCB-132/161	ND	2.60	
PCB-89	ND	2.60			PCB-133/142	57.6	2.60	
PCB-90/101	231	2.60			PCB-134/143	ND	2.60	
PCB-93	ND	2.60			PCB-135	ND	2.60	
PCB-94	ND	2.60			PCB-136	0.436	2.60	A
PCB-95/98/102	999	2.60			PCB-137	ND	2.60	
PCB-96	ND	2.60			PCB-138/163/164	ND	2.60	
PCB-97	291	2.60			PCB-139/149	0.607	2.60	A
PCB-99	1.38	2.60	A		PCB-140	ND	2.60	
PCB-100	ND	2.60			PCB-141	1.88	2.60	A
PCB-103	ND	2.60			PCB-144	1.45	2.60	A
PCB-104	ND	2.60			PCB-145	ND	2.60	
PCB-105	0.791	2.60	A		PCB-146/165	0.285	2.60	A
PCB-106/118	185	2.60			PCB-147	ND	2.60	
PCB-107/109	ND	2.60			PCB-148	ND	2.60	
PCB-108/112	ND	2.60			PCB-150	ND	2.60	
PCB-110	46.8	2.60			PCB-151	4.37	2.60	
PCB-111/115	ND	2.60			PCB-152	ND	2.60	
PCB-113	ND	2.60			PCB-153	ND	2.60	
PCB-114	ND	2.60			PCB-154	ND	2.60	
PCB-119	0.870	2.60	A		PCB-155	ND	2.60	
PCB-120	ND	2.60			PCB-156	ND	2.60	
PCB-121	ND	2.60			PCB-157	ND	2.60	
PCB-122	ND	2.60			PCB-158/160	32.7	2.60	
PCB-123	ND	2.60			PCB-159	ND	2.60	

Sample ID: 62254106				EPA Method 1668				
Client Data			Sample Data		Laboratory Data			
Name: Clariant Corporation			Matrix: Solid		Lab Sample: 24292-003		Date Received: 17-Oct-03	
Project: LOO-5SDN48			Sample Size: 0.96 g		QC Batch No.: 5267		Date Extracted: 17-Oct-03	
Date Collected: 16-Oct-03			Sample Solids: 100		Date Analyzed DB-1: 19-Oct-03		TEQ(WHO-Mammal (1997)): 0.0499	
Time Collected: NA								
Analyte	Conc. (ng/g)	RL	Qualifiers		Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	2.60			PCB-199	ND	3.91	
PCB-167	ND	2.60			PCB-200	ND	3.91	
PCB-168	ND	2.60			PCB-201	ND	3.91	
PCB-169	ND	2.60			PCB-202	ND	3.91	
PCB-170	ND	2.60			PCB-204	ND	3.91	
PCB-171	ND	2.60			PCB-205	ND	3.91	
PCB-172	ND	2.60			PCB-206	ND	3.91	
PCB-173	ND	2.60			PCB-207	ND	3.91	
PCB-174	ND	2.60			PCB-208	ND	3.91	
PCB-175	ND	2.60			PCB-209	ND	3.91	
PCB-176	ND	2.60			Total monoCB	4.87	1.30	
PCB-177	ND	2.60			Total diCB	61.8	2.60	B
PCB-178	ND	2.60			Total triCB	3010	1.30	
PCB-179	ND	2.60			Total tetraCB	542000	2.60	B,*
PCB-180	ND	2.60			Total pentaCB	1970	2.60	
PCB-181	ND	2.60			Total hexaCB	99.3	2.60	
PCB-182/187	ND	2.60			Total heptaCB	ND	2.60	
PCB-183	ND	2.60			Total octaCB	ND	3.91	
PCB-184	ND	2.60			Total nonaCB	ND	3.91	
PCB-185	ND	2.60			Total decaCB	ND	3.91	
PCB-186	ND	2.60						
PCB-188	ND	2.60						
PCB-189	ND	2.60						
PCB-190	ND	3.83	1					
PCB-191	ND	2.60						
PCB-192	ND	2.60						
PCB-193	ND	2.60						
PCB-194	ND	3.91						
PCB-195	ND	3.91						
PCB-196/203	ND	3.91						
PCB-197	ND	3.91						
PCB-198	ND	3.91						

Sample ID: 62254106		EPA Method 1668		
<u>Client Data</u>		<u>Sample Data</u>	<u>Laboratory Data</u>	
Name: Clariant Corporation		Matrix: Solid	Lab Sample: 24292-003	Date Received: 17-Oct-03
Project: LOO-5SDN48		Sample Size: 0.96 g	QC Batch No.: 5267	Date Extracted: 17-Oct-03
Date Collected: 16-Oct-03		%Solids: 100	Date Analyzed DB-1: 19-Oct-03	
Time Collected: NA				
Internal Standard	% Recovery	LCL - UCL	Qualifier	
IS 13C-PCB-1	67.2	25 150		
13C-PCB-3	73.8	25 150		
13C-PCB-4	81.1	25 150		
13C-PCB-9	84.9	25 150		
13C-PCB-19	85.8	25 150		
13C-PCB-28	83.1	25 150		
13C-PCB-32	85.5	25 150		
13C-PCB-37	103	25 150		
13C-PCB-54	83.6	25 150		
13C-PCB-77	82.2	25 150		
13C-PCB-81	82.0	25 150		
13C-PCB-95	101	25 150		
13C-PCB-101	84.8	25 150		
13C-PCB-104	86.3	25 150		
13C-PCB-105	96.0	25 150		
13C-PCB-114	102	25 150		
13C-PCB-118	86.0	25 150		
13C-PCB-123	87.9	25 150		
13C-PCB-126	96.5	25 150		
13C-PCB-153	94.0	25 150		
13C-PCB-155	53.7	25 150		
13C-PCB-156	95.3	25 150		
13C-PCB-157	88.1	25 150		
13C-PCB-167	91.2	25 150		
13C-PCB-169	94.4	25 150		
13C-PCB-170	86.6	25 150		
13C-PCB-180	87.9	25 150		
13C-PCB-188	88.5	25 150		
13C-PCB-189	93.5	25 150		
13C-PCB-194	86.8	25 150		

Sample ID: 62254106		EPA Method 1668	
<u>Client Data</u> Name: Clariant Corporation Project: LOO-5SDN48 Date Collected: 16-Oct-03 Time Collected: NA		<u>Sample Data</u> Matrix: Solid Sample Size: 0.96 g %Solids: 100	
<u>Laboratory Data</u> Lab Sample: 24292-003 QC Batch No.: 5267 Date Analyzed DB-1: 19-Oct-03		Date Received: 17-Oct-03 Date Extracted: 17-Oct-03	

Internal Standard	% Recovery	LCL - UCL	Qualifier
IS 13C-PCB-202	60.2	25 150	
13C-PCB-208	73.1	25 150	
13C-PCB-206	81.2	25 150	
13C-PCB-209	73.1	25 150	
CRS 13C-PCB-52	111	30 135	
13C-PCB-178	93.4	30 135	

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

A	The amount detected is below the Lower Calibration Limit of the instrument.
B	This compound was also detected in the method blank.
D	The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.
E	The amount detected is above the Upper Calibration Limit of the instrument.
H	The signal-to-noise ratio is greater than 10:1.
I	Chemical Interference
*	See Cover Letter
Conc.	Concentration
DL	Sample-specific estimated detection limit
EMPC	Estimated Maximum Possible Concentration
NA	Not applicable
ND	Not Detected
TEQ	Toxic Equivalency

CURRENT CERTIFICATIONS

NELAP — (Primary AA: California, Certificate No. 02102CA)

Department of the Navy

U.S. Army Corps of Engineers

U.S. EPA Region 5

Commonwealth of Kentucky — (Certificate No. 90063)

Bureau of Reclamation — Mid-Pacific Region — (MP-470, Res-1.10)

Commonwealth of Kentucky — (Certificate No. 90063)

Commonwealth of Virginia — (Certificate No. 00013)

State of Alaska, Department of Environmental Conservation — (Certificate No. OS-00197)

State of Arkansas, Department of Health — (Approval granted through CA certification)

State of Arkansas, Department of Environmental Quality

State of California — (Certificate No. 1640)

State of Connecticut — (Certificate No. PH-0182)

State of Florida — (Certificate No. 87456)

State of Louisiana, Department of Health and Hospitals — (Certificate No. LA000014)

State of Louisiana, Department of Environmental Quality

State of Mississippi — (Approval granted through CA certification)

State of Nevada — (Certificate No. CA413)

State of New Jersey — (Certificate No. CA003)

State of New Mexico

State of New York, Department of Health — (Certificate No. 11411)

State of North Carolina — (Certification No. 06700)

State of North Dakota, Department of Health — (Certificate No. R-078)

State of Oregon — (Certificate No. CA413)

State of Pennsylvania — (Certificate No. 68-490)

State of South Carolina — (Certificate No. 87002001)

State of Tennessee — (Certificate No. 02996)

State of Texas — (Certificate No. TX247-1000A)

State of Utah — (Certificate No. E-201)

State of Washington — (Certification No. C091)

State of Wisconsin — (Certificate No. 998036160)

State of Wyoming — (USEPA Region 8 Ref: 8TMS-Q)

24292 Ambient



Packing List



10/16/2003 01:13:02 PM

Sample Order Request id: LOO-5SDN48

From: Coventry Sample Department
Clariant Corporation
500 Washington Street
Coventry RI 02816

To: Mr Bill Luksemburg
ALTA Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762

Requested by: D Brunetti / U131149351

Shipping information: Expedite FedEx Next Day
Order comments: (Paperwork Enclosed)

Items:

CODE	PRODUCT DESCRIPTION		QTY	LOT#
679302	13-5003 PV FAST RED BNP	MADE IN USA	1x12 gr	62253701
679302	13-5003 PV FAST RED BNP	MADE IN USA	1x12 gr	USEA000373
629110	PV FAST RED 3B		1x12 gr	62254106

Total pieces shipped: 3

Rec'd 10/17/03 0940 Bettina F. Scardine

SAMPLE LOG-IN CHECKLIST

ALTA Project No.: 24292

1. Date Samples Arrived: <u>10/17/03</u> <u>0940</u> Initials: <u>BAS</u> Location: <u>WR-2</u>			
2. Time / Date logged in: <u>1045</u> <u>10/17/03</u> Initials: <u>BAS</u> Location: <u>WR-2</u>			
3. Samples Arrived By: (circle) <u>FedEx</u> UPS World Courier Other:			
4. Shipping Preservation: (circle) <u>Ice</u> / Blue Ice / Dry Ice / None Temp °C <u>Ambient</u>			
5. Shipping Container(s) Intact? If not, describe condition in comment section.	YES	NO	NA
6. Shipping Container(s) Custody Seals Present?	✓		
Intact? If not intact, describe condition in comment section.		✓	
7. Shipping Documentation Present? (circle) Shipping Label <u>Airbill</u>	✓		
Tracking Number <u>6327 5778 5064</u>			✓
8. Sample Custody Seal(s) Present? No. of Seals _____ or Seal No.		✓	
Intact? If not intact, describe condition in comment section.			✓
9. Sample Container Intact? If no, indicate sample condition in comment section.	✓		
10. Chain of Custody (COC) or other Sample Documentation Present?	✓		
11. COC/Documentation Acceptable? If no, complete COC Anomaly Form.	✓		
12. Shipping Container (circle): ALTA Client Retain or Return or <u>Disposed</u>			
13. Container(s) and/or Bottle(s) Requested?		✓	
14. Drinking Water Sample? (HRMS Only) If yes, Acceptable Preservation? Y or N		✓	
Preservation Info From? (circle) COC or Sample Container or None Noted			

Comments:

EXTRACTION INFORMATION

PROCESS SHEET
Project No.-AR: 24292-1 of 1

RUSH

Prep Due: 10/21/2003
Hold Due: 10/21/2003
Client: Clariant Corporation(CLCRI01A)
Client Manager: Martha M. Maier

Project Due: 10/24/2003
TAT: 7

5267

Method: EPA Method 1668 | PCB Totals and 209 Congeners

Split Type:

Matrix: Solid

LabID	Recon	Client-ID	Description	Date Received	SLoc
001	<input checked="" type="checkbox"/>	62253701	13-5003 PV FAST RED BNP	10/17/2003	WR-2
002	<input checked="" type="checkbox"/>	USEA000373	13-5003 PV FAST RED BNP	10/17/2003	WR-2
003	<input checked="" type="checkbox"/>	62254106	PV FAST RED 3B	10/17/2003	WR-2

Instructions:

Report Options

Report Level:

TEQ Type:

EDD Type:

Report Group: PCBs 209 List NoMDL

Samples Reconciled By:

MT *10/17/03*

Vial Box ID:

Shake'em

Project 24292

Date Requested: 10/21/2003
HRMSGENAR.rpt

% Solids

Procedures:

- Tare Balance.
- Add boat and weigh. Record "Boat Wt".
- Add the sample (2-10 g) to the boat and , record "Wet Wt. + Boat Wt." (total).
- Dry in oven overnight @ 107 C.
- Tare Balance.
- Return dish to toplayer, record "Residue + Boat Wt.".

Project:

24292

Location (circle one):

RJM

WW

[illegible]

NOTES:

HRMSGenSolids.rpt

Project: 24292

Extraction Set: 5267

Chemist: M Jellent 10/17/03

Method(s): EPA Method 1668 | PCB Totals and 209 Congeners

C	ALTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/ WIT DATE	CRS CHEM/WIT DATE	AP CHEM/Date	ABSG CHEM/Date	AA CHEM/Date	Florisil CHEM/Date	RS CHEM/WIT DATE
<input type="checkbox"/>	0_5267_MB001		1.00	NA 10/17/03	NA 10/18/03	NA	NA 10/18/03	NA	NA	NA 10/18/03
<input type="checkbox"/>	0_5267_OPR001 (A)		1.00							
<input type="checkbox"/>	24292_5267_001		1.08							
<input type="checkbox"/>	24292_5267_002		0.96							
<input type="checkbox"/>	24292_5267_003		0.96							

(A) Spiked w NS

IS Name <u>10 ul</u> (V9)	NS Name <u>10 ul</u> (V4)	CRS Name <u>10 ul</u> (V9)	RS Name <u>10 ul</u> (V5)
PCDD/F <u>030916 B</u>	PCDD/F <u>030916 C</u>	PCDD/F <u>030916 A</u>	PCDD/F <u>030916 D</u>
PCB	PCB	PCB	PCB
PAH	PAH	PAH	PAH

Cycle Time

10/17/03

Start: 1630

10/18

Stop: 0830

APP.: SEFUN SOX (SDS)

SOLV: Toluene

Other: NA

Final Volume(s): 100 ul

Check Out:

Chemist: NA 10/17/03

Check-In:

Chemist: NA 10/17/03

Comments:

% Solids for Extraction Set 5267					
Extr Group:		EPA Method 1668 PCB Tot		Units:	g
ALTA Sample ID	Boat Wt.	Wet Wt. (total)	Dry Wt. (Total)	% Solids	Sample. Wt.
0_5267_MB001					1.000
0_5267_OPR001					1.000
24292_5267_001	1.26	2.25	2.25	100.00	1.000
24292_5267_002	1.24	2.46	2.46	100.00	1.000
24292_5267_003	1.24	2.26	2.26	100.00	1.000
NOTES: % Solids = $100 \times \frac{([Dry\ Wt.] - [Boat\ Wt.])}{([Wet\ Wt.] - [Boat\ Wt.])}$					